

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville

2960 Foster Creighton Drive

Nashville, TN 37204

Tel: (615)726-0177

TestAmerica Job ID: 490-26469-1

Client Project/Site: Everett Terminal

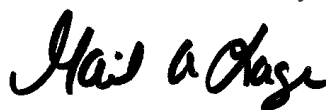
For:

Exxon Global Remed. Grp

52 Beacham Street

Everett, Massachusetts 02149

Attn: Mr. Ernest E Haynes



Authorized for release by:

5/28/2013 4:58:04 PM

Gail Lage, Senior Project Manager

gail.lage@testamericainc.com

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Results relate only to the items tested and the sample(s) as received by the laboratory.



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Sample Summary

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-26469-1	Outfall 01 A	Wastewater	05/09/13 18:10	05/11/13 08:30
490-26469-2	Outfall 01 A	Wastewater	05/09/13 18:10	05/11/13 08:30
490-26469-3	Outfall 01 A-TSS - 2	Wastewater	05/09/13 18:10	05/11/13 08:30
490-26469-4	Outfall 01 A-TSS - 3	Wastewater	05/09/13 18:10	05/11/13 08:30
490-26469-5	Trip Blank	Water	05/09/13 00:01	05/11/13 08:30

Case Narrative

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Job ID: 490-26469-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-26469-1

Receipt

The samples were received on 5/11/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9° C.

GC VOA

Method(s) 602: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 79293.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 1671A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 79982 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals

Method(s) 245.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 79329 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. Post spike was added.

No other analytical or quality issues were noted.

Definitions/Glossary

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Client Sample ID: Outfall 01 A

Date Collected: 05/09/13 18:10

Date Received: 05/11/13 08:30

Lab Sample ID: 490-26469-1

Matrix: Wastewater

Method: 1671A - Ethanol (GC/FID)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<500		2000	500	ug/L			05/17/13 12:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Isopropyl acetate (Surr)	94		52 - 128					05/17/13 12:14	1

Method: 602 - Purgeable Aromatics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	21.7		1.00	0.360	ug/L			05/15/13 12:18	1
Toluene	80.2		1.00	0.330	ug/L			05/15/13 12:18	1
Ethylbenzene	12.2		1.00	0.370	ug/L			05/15/13 12:18	1
Xylenes, Total	85.7		3.00	0.600	ug/L			05/15/13 12:18	1
Methyl tert-butyl ether	45.9		1.00	0.460	ug/L			05/15/13 12:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	119		50 - 150					05/15/13 12:18	1

Method: 610 - PAHs (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.564	J p	0.935	0.159	ug/L		05/14/13 07:14	05/21/13 06:05	1
Acenaphthylene	<0.215		0.935	0.215	ug/L		05/14/13 07:14	05/21/13 06:05	1
Anthracene	<0.0935		0.935	0.0935	ug/L		05/14/13 07:14	05/21/13 06:05	1
Benzo[a]anthracene	<0.0187		0.187	0.0187	ug/L		05/14/13 07:14	05/21/13 06:05	1
Benzo[a]pyrene	0.0509	J	0.0935	0.0187	ug/L		05/14/13 07:14	05/21/13 06:05	1
Benzo[b]fluoranthene	0.0800	J	0.0935	0.0187	ug/L		05/14/13 07:14	05/21/13 06:05	1
Benzo[g,h,i]perylene	0.147	J	0.187	0.0187	ug/L		05/14/13 07:14	05/21/13 06:05	1
Benzo[k]fluoranthene	<0.0187		0.131	0.0187	ug/L		05/14/13 07:14	05/21/13 06:05	1
Chrysene	0.0610	J p	0.0935	0.0187	ug/L		05/14/13 07:14	05/21/13 06:05	1
Dibenz(a,h)anthracene	<0.0280		0.187	0.0280	ug/L		05/14/13 07:14	05/21/13 06:05	1
Fluoranthene	0.441		0.187	0.0280	ug/L		05/14/13 07:14	05/21/13 06:05	1
Fluorene	0.175	J	0.467	0.0374	ug/L		05/14/13 07:14	05/21/13 06:05	1
Indeno[1,2,3-cd]pyrene	0.105	J p	0.187	0.0374	ug/L		05/14/13 07:14	05/21/13 06:05	1
Naphthalene	<0.318		0.935	0.318	ug/L		05/14/13 07:14	05/21/13 06:05	1
Phenanthrene	0.215	J p	0.467	0.0467	ug/L		05/14/13 07:14	05/21/13 06:05	1
Pyrene	0.469		0.187	0.0280	ug/L		05/14/13 07:14	05/21/13 06:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	91		25 - 135				05/14/13 07:14	05/21/13 06:05	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.150		0.200	0.150	ug/L		05/15/13 09:33	05/15/13 17:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (HEM)	1.51	J	3.62	1.27	mg/L		05/15/13 09:57	05/15/13 09:57	1
Available cyanide	<0.00180		0.00200	0.00180	mg/L			05/20/13 11:29	1

TestAmerica Nashville

Client Sample Results

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Client Sample ID: Outfall 01 A

Lab Sample ID: 490-26469-2

Date Collected: 05/09/13 18:10

Matrix: Wastewater

Date Received: 05/11/13 08:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	40.0		2.00	1.20	mg/L			05/11/13 13:22	1

Client Sample Results

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Client Sample ID: Outfall 01 A-TSS - 2

Lab Sample ID: 490-26469-3

Date Collected: 05/09/13 18:10

Matrix: Wastewater

Date Received: 05/11/13 08:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	33.8		2.00	1.20	mg/L			05/15/13 15:05	1

Client Sample Results

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Client Sample ID: Outfall 01 A-TSS - 3

Lab Sample ID: 490-26469-4

Date Collected: 05/09/13 18:10

Matrix: Wastewater

Date Received: 05/11/13 08:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	33.6		2.00	1.20	mg/L			05/15/13 15:05	1

Client Sample Results

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Client Sample ID: Trip Blank

Lab Sample ID: 490-26469-5

Date Collected: 05/09/13 00:01

Matrix: Water

Date Received: 05/11/13 08:30

Method: 602 - Purgeable Aromatics (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.360		1.00	0.360	ug/L			05/15/13 11:48	1
Toluene	<0.330		1.00	0.330	ug/L			05/15/13 11:48	1
Ethylbenzene	<0.370		1.00	0.370	ug/L			05/15/13 11:48	1
Xylenes, Total	<0.600		3.00	0.600	ug/L			05/15/13 11:48	1
Methyl tert-butyl ether	<0.460		1.00	0.460	ug/L			05/15/13 11:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	103		50 - 150		05/15/13 11:48	1

QC Sample Results

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Method: 1671A - Ethanol (GC/FID)

Lab Sample ID: MB 490-79982/4

Matrix: Water

Analysis Batch: 79982

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<500		2000	500	ug/L			05/17/13 11:13	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Isopropyl acetate (Surr)	98		52 - 128					05/17/13 11:13	1

Lab Sample ID: LCS 490-79982/5

Matrix: Water

Analysis Batch: 79982

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethanol	50000	49360		ug/L		99	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
Isopropyl acetate (Surr)	100		52 - 128						

Lab Sample ID: LCSD 490-79982/6

Matrix: Water

Analysis Batch: 79982

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethanol	50000	52670		ug/L		105	70 - 130	6	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Isopropyl acetate (Surr)	91		52 - 128						

Lab Sample ID: 490-26469-1 MS

Matrix: Wastewater

Analysis Batch: 79982

Client Sample ID: Outfall 01 A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethanol	<500		50000	<500	F	ug/L		0	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
Isopropyl acetate (Surr)	92		52 - 128								

Lab Sample ID: 490-26469-1 MSD

Matrix: Wastewater

Analysis Batch: 79982

Client Sample ID: Outfall 01 A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethanol	<500		50000	<500	F	ug/L		0	70 - 130	NC	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Isopropyl acetate (Surr)	94		52 - 128								

TestAmerica Nashville

QC Sample Results

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Method: 602 - Purgeable Aromatics (GC)

Lab Sample ID: MB 490-79293/7

Matrix: Water

Analysis Batch: 79293

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.360		1.00	0.360	ug/L			05/15/13 09:21	1
Toluene	<0.330		1.00	0.330	ug/L			05/15/13 09:21	1
Ethylbenzene	<0.370		1.00	0.370	ug/L			05/15/13 09:21	1
Xylenes, Total	<0.600		3.00	0.600	ug/L			05/15/13 09:21	1
Methyl tert-butyl ether	<0.460		1.00	0.460	ug/L			05/15/13 09:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	112		50 - 150		05/15/13 09:21	1

Lab Sample ID: LCS 490-79293/18

Matrix: Water

Analysis Batch: 79293

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	20.0	20.02		ug/L		100	39 - 150
Toluene	20.0	22.20		ug/L		111	46 - 148
Ethylbenzene	20.0	22.65		ug/L		113	32 - 160
Xylenes, Total	60.0	69.14		ug/L		115	66 - 136
Methyl tert-butyl ether	20.0	18.57		ug/L		93	56 - 136

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	112		50 - 150

Method: 610 - PAHs (HPLC)

Lab Sample ID: MB 490-78949/1-A

Matrix: Water

Analysis Batch: 80418

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78949

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.170		1.00	0.170	ug/L		05/14/13 07:14	05/21/13 01:09	1
Acenaphthylene	<0.230		1.00	0.230	ug/L		05/14/13 07:14	05/21/13 01:09	1
Anthracene	<0.100		1.00	0.100	ug/L		05/14/13 07:14	05/21/13 01:09	1
Benzo[a]anthracene	<0.0200		0.200	0.0200	ug/L		05/14/13 07:14	05/21/13 01:09	1
Benzo[a]pyrene	<0.0200		0.100	0.0200	ug/L		05/14/13 07:14	05/21/13 01:09	1
Benzo[b]fluoranthene	<0.0200		0.100	0.0200	ug/L		05/14/13 07:14	05/21/13 01:09	1
Benzo[g,h,i]perylene	<0.0200		0.200	0.0200	ug/L		05/14/13 07:14	05/21/13 01:09	1
Benzo[k]fluoranthene	<0.0200		0.140	0.0200	ug/L		05/14/13 07:14	05/21/13 01:09	1
Chrysene	<0.0200		0.100	0.0200	ug/L		05/14/13 07:14	05/21/13 01:09	1
Dibenz(a,h)anthracene	<0.0300		0.200	0.0300	ug/L		05/14/13 07:14	05/21/13 01:09	1
Fluoranthene	<0.0300		0.200	0.0300	ug/L		05/14/13 07:14	05/21/13 01:09	1
Fluorene	<0.0400		0.500	0.0400	ug/L		05/14/13 07:14	05/21/13 01:09	1
Indeno[1,2,3-cd]pyrene	<0.0400		0.200	0.0400	ug/L		05/14/13 07:14	05/21/13 01:09	1
Naphthalene	<0.340		1.00	0.340	ug/L		05/14/13 07:14	05/21/13 01:09	1
Phenanthrene	<0.0500		0.500	0.0500	ug/L		05/14/13 07:14	05/21/13 01:09	1
Pyrene	<0.0300		0.200	0.0300	ug/L		05/14/13 07:14	05/21/13 01:09	1

TestAmerica Nashville

QC Sample Results

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Method: 610 - PAHs (HPLC) (Continued)

Lab Sample ID: MB 490-78949/1-A

Matrix: Water

Analysis Batch: 80418

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78949

Surrogate	MB %Recovery	MB Qualifier	Limits
p-Terphenyl	90		25 - 135

Prepared	Analyzed	Dil Fac
05/14/13 07:14	05/21/13 01:09	1

Lab Sample ID: LCS 490-78949/2-A

Matrix: Water

Analysis Batch: 80418

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78949

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	2.50	2.590		ug/L		104	1 - 124
Acenaphthylene	5.00	4.232		ug/L		85	1 - 139
Anthracene	2.50	2.444		ug/L		98	1 - 126
Benzo[a]anthracene	2.50	2.461		ug/L		98	12 - 135
Benzo[a]pyrene	2.50	2.382		ug/L		95	1 - 128
Benzo[b]fluoranthene	2.50	2.421		ug/L		97	6 - 150
Benzo[g,h,i]perylene	2.50	2.348		ug/L		94	1 - 116
Benzo[k]fluoranthene	2.50	2.602		ug/L		104	1 - 159
Chrysene	2.50	2.559		ug/L		102	1 - 199
Dibenz(a,h)anthracene	2.50	2.081		ug/L		83	1 - 110
Fluoranthene	2.50	2.356		ug/L		94	14 - 123
Fluorene	2.50	2.252		ug/L		90	1 - 142
Indeno[1,2,3-cd]pyrene	2.50	2.396		ug/L		96	1 - 116
Naphthalene	2.50	2.111		ug/L		84	1 - 122
Phenanthrene	2.50	2.363		ug/L		95	1 - 155
Pyrene	2.50	2.466		ug/L		99	1 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	95		25 - 135

Lab Sample ID: LCSD 490-78949/3-A

Matrix: Water

Analysis Batch: 80418

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 78949

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	2.50	2.116		ug/L		85	1 - 124	20	50
Acenaphthylene	5.00	3.949		ug/L		79	1 - 139	7	50
Anthracene	2.50	2.241		ug/L		90	1 - 126	9	50
Benzo[a]anthracene	2.50	2.265		ug/L		91	12 - 135	8	50
Benzo[a]pyrene	2.50	2.209		ug/L		88	1 - 128	8	50
Benzo[b]fluoranthene	2.50	2.252		ug/L		90	6 - 150	7	50
Benzo[g,h,i]perylene	2.50	2.117		ug/L		85	1 - 116	10	50
Benzo[k]fluoranthene	2.50	2.203		ug/L		88	1 - 159	17	50
Chrysene	2.50	2.352		ug/L		94	1 - 199	8	50
Dibenz(a,h)anthracene	2.50	1.980		ug/L		79	1 - 110	5	50
Fluoranthene	2.50	2.186		ug/L		87	14 - 123	7	50
Fluorene	2.50	2.044		ug/L		82	1 - 142	10	50
Indeno[1,2,3-cd]pyrene	2.50	2.217		ug/L		89	1 - 116	8	50
Naphthalene	2.50	2.036		ug/L		81	1 - 122	4	50
Phenanthrene	2.50	2.188		ug/L		88	1 - 155	8	50
Pyrene	2.50	2.339		ug/L		94	1 - 140	5	50

TestAmerica Nashville

QC Sample Results

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Method: 610 - PAHs (HPLC) (Continued)

Lab Sample ID: LCSD 490-78949/3-A

Matrix: Water

Analysis Batch: 80418

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 78949

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
p-Terphenyl	91		25 - 135

Lab Sample ID: 490-26255-F-11-A MS

Matrix: Water

Analysis Batch: 80418

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 78949

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Acenaphthene	<0.159		2.34	1.968		ug/L		84	1 - 124		
Acenaphthylene	<0.215		4.67	3.493		ug/L		75	1 - 139		
Anthracene	<0.0935		2.34	2.072		ug/L		89	1 - 126		
Benzo[a]anthracene	<0.0187		2.34	2.130		ug/L		91	12 - 135		
Benzo[a]pyrene	<0.0187		2.34	2.114		ug/L		90	1 - 128		
Benzo[b]fluoranthene	<0.0187		2.34	2.117		ug/L		91	6 - 150		
Benzo[g,h,i]perylene	<0.0187		2.34	1.998		ug/L		86	1 - 116		
Benzo[k]fluoranthene	<0.0187		2.34	2.062		ug/L		88	1 - 159		
Chrysene	<0.0187		2.34	2.191		ug/L		94	1 - 199		
Dibenz(a,h)anthracene	<0.0280		2.34	1.972		ug/L		84	1 - 110		
Fluoranthene	<0.0280		2.34	2.030		ug/L		87	14 - 123		
Fluorene	<0.0374		2.34	1.873		ug/L		80	1 - 142		
Indeno[1,2,3-cd]pyrene	<0.0374		2.34	1.980		ug/L		85	1 - 116		
Naphthalene	<0.318		2.34	1.754		ug/L		75	1 - 122		
Phenanthrene	<0.0467		2.34	2.007		ug/L		86	1 - 155		
Pyrene	<0.0280		2.34	2.172		ug/L		93	1 - 140		

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 490-79329/1-A

Matrix: Water

Analysis Batch: 79566

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79329

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.150		0.200	0.150	ug/L		05/15/13 09:33	05/15/13 16:34	1

Lab Sample ID: LCS 490-79329/2-A

Matrix: Water

Analysis Batch: 79566

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 79329

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.00	0.9244		ug/L		92	85 - 115

TestAmerica Nashville

QC Sample Results

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Method: 245.1 - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 490-79329/3-A

Matrix: Water

Analysis Batch: 79566

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 79329

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	1.00	0.9108		ug/L		91	85 - 115	1	20

Lab Sample ID: 490-26333-A-6-B MS

Matrix: Water

Analysis Batch: 79566

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 79329

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.150		1.00	0.3687	F	ug/L		37	70 - 130

Lab Sample ID: 490-26333-A-6-C MSD

Matrix: Water

Analysis Batch: 79566

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 79329

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.150		1.00	0.2928	F	ug/L		29	70 - 130	23	20

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 490-79341/1-A

Matrix: Water

Analysis Batch: 79371

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 79341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (HEM)	<1.40		4.00	1.40	mg/L		05/15/13 09:57	05/15/13 09:57	1

Lab Sample ID: LCS 490-79341/2-A

Matrix: Water

Analysis Batch: 79371

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 79341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease (HEM)	41.7	38.44		mg/L		92	78 - 114

Lab Sample ID: LCSD 490-79341/3-A

Matrix: Water

Analysis Batch: 79371

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 79341

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Oil & Grease (HEM)	41.7	36.87		mg/L		88	78 - 114	4	18

Lab Sample ID: 490-26337-P-1-A MS

Matrix: Water

Analysis Batch: 79371

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 79341

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Oil & Grease (HEM)	<1.58		46.5	43.49		mg/L		93	78 - 114

TestAmerica Nashville

QC Sample Results

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Method: OIA-1677 - Cyanide, Available (Flow Injection)

Lab Sample ID: MB 180-72364/35

Matrix: Water

Analysis Batch: 72364

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Available cyanide	<0.00180		0.00200	0.00180	mg/L			05/20/13 11:20	1

Lab Sample ID: LCS 180-72364/33

Matrix: Water

Analysis Batch: 72364

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Available cyanide	0.100	0.1000		mg/L		100	82 - 132

Lab Sample ID: LCSD 180-72364/34

Matrix: Water

Analysis Batch: 72364

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Available cyanide	0.100	0.1030		mg/L		103	82 - 132	3	20

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 490-78604/1

Matrix: Water

Analysis Batch: 78604

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<0.600		1.00	0.600	mg/L			05/11/13 13:22	1

Lab Sample ID: LCS 490-78604/2

Matrix: Water

Analysis Batch: 78604

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	101	99.60		mg/L		99	90 - 110

Lab Sample ID: 490-26315-L-1 DU

Matrix: Water

Analysis Batch: 78604

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	1.40		0.6000	J	mg/L		80	20

Lab Sample ID: 490-26321-J-1 DU

Matrix: Water

Analysis Batch: 78604

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	<0.600		<0.600		mg/L		NC	20

TestAmerica Nashville

QC Sample Results

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: MB 490-79464/1

Matrix: Water

Analysis Batch: 79464

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<0.600		1.00	0.600	mg/L			05/15/13 15:05	1

Lab Sample ID: LCS 490-79464/2

Matrix: Water

Analysis Batch: 79464

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	101	100.0		mg/L		99	90 - 110

Lab Sample ID: 490-26651-E-1 DU

Matrix: Water

Analysis Batch: 79464

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	40.5		40.50		mg/L		0	20

QC Association Summary

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

GC VOA

Analysis Batch: 79293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26469-1	Outfall 01 A	Total/NA	Wastewater	602	
490-26469-5	Trip Blank	Total/NA	Water	602	
LCS 490-79293/18	Lab Control Sample	Total/NA	Water	602	
MB 490-79293/7	Method Blank	Total/NA	Water	602	

Analysis Batch: 79982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26469-1	Outfall 01 A	Total/NA	Wastewater	1671A	
490-26469-1 MS	Outfall 01 A	Total/NA	Wastewater	1671A	
490-26469-1 MSD	Outfall 01 A	Total/NA	Wastewater	1671A	
LCS 490-79982/5	Lab Control Sample	Total/NA	Water	1671A	
LCSD 490-79982/6	Lab Control Sample Dup	Total/NA	Water	1671A	
MB 490-79982/4	Method Blank	Total/NA	Water	1671A	

HPLC/IC

Prep Batch: 78949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26255-F-11-A MS	Matrix Spike	Total/NA	Water	610	
490-26469-1	Outfall 01 A	Total/NA	Wastewater	610	
LCS 490-78949/2-A	Lab Control Sample	Total/NA	Water	610	
LCSD 490-78949/3-A	Lab Control Sample Dup	Total/NA	Water	610	
MB 490-78949/1-A	Method Blank	Total/NA	Water	610	

Analysis Batch: 80418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26255-F-11-A MS	Matrix Spike	Total/NA	Water	610	78949
490-26469-1	Outfall 01 A	Total/NA	Wastewater	610	78949
LCS 490-78949/2-A	Lab Control Sample	Total/NA	Water	610	78949
LCSD 490-78949/3-A	Lab Control Sample Dup	Total/NA	Water	610	78949
MB 490-78949/1-A	Method Blank	Total/NA	Water	610	78949

Metals

Prep Batch: 79329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26333-A-6-B MS	Matrix Spike	Total/NA	Water	245.1	
490-26333-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	
490-26469-1	Outfall 01 A	Total/NA	Wastewater	245.1	
LCS 490-79329/2-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 490-79329/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	
MB 490-79329/1-A	Method Blank	Total/NA	Water	245.1	

Analysis Batch: 79566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26333-A-6-B MS	Matrix Spike	Total/NA	Water	245.1	79329
490-26333-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	79329
490-26469-1	Outfall 01 A	Total/NA	Wastewater	245.1	79329
LCS 490-79329/2-A	Lab Control Sample	Total/NA	Water	245.1	79329
LCSD 490-79329/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	79329

TestAmerica Nashville

QC Association Summary

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Metals (Continued)

Analysis Batch: 79566 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-79329/1-A	Method Blank	Total/NA	Water	245.1	79329

General Chemistry

Analysis Batch: 72364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26469-1	Outfall 01 A	Total/NA	Wastewater	OIA-1677	
LCS 180-72364/33	Lab Control Sample	Total/NA	Water	OIA-1677	
LCSD 180-72364/34	Lab Control Sample Dup	Total/NA	Water	OIA-1677	
MB 180-72364/35	Method Blank	Total/NA	Water	OIA-1677	

Analysis Batch: 78604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26315-L-1 DU	Duplicate	Total/NA	Water	SM 2540D	
490-26321-J-1 DU	Duplicate	Total/NA	Water	SM 2540D	
490-26469-2	Outfall 01 A	Total/NA	Wastewater	SM 2540D	
LCS 490-78604/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 490-78604/1	Method Blank	Total/NA	Water	SM 2540D	

Prep Batch: 79341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26337-P-1-A MS	Matrix Spike	Total/NA	Water	1664A	
490-26469-1	Outfall 01 A	Total/NA	Wastewater	1664A	
LCS 490-79341/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 490-79341/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	
MB 490-79341/1-A	Method Blank	Total/NA	Water	1664A	

Analysis Batch: 79371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26337-P-1-A MS	Matrix Spike	Total/NA	Water	1664A	79341
490-26469-1	Outfall 01 A	Total/NA	Wastewater	1664A	79341
LCS 490-79341/2-A	Lab Control Sample	Total/NA	Water	1664A	79341
LCSD 490-79341/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	79341
MB 490-79341/1-A	Method Blank	Total/NA	Water	1664A	79341

Analysis Batch: 79464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-26469-3	Outfall 01 A-TSS - 2	Total/NA	Wastewater	SM 2540D	
490-26469-4	Outfall 01 A-TSS - 3	Total/NA	Wastewater	SM 2540D	
490-26651-E-1 DU	Duplicate	Total/NA	Water	SM 2540D	
LCS 490-79464/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 490-79464/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Client Sample ID: Outfall 01 A

Date Collected: 05/09/13 18:10

Date Received: 05/11/13 08:30

Lab Sample ID: 490-26469-1

Matrix: Wastewater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	602		1	79293	05/15/13 12:18	AC	TAL NSH
Total/NA	Analysis	1671A		1	79982	05/17/13 12:14	JS	TAL NSH
Total/NA	Prep	610			78949	05/14/13 07:14	AL	TAL NSH
Total/NA	Analysis	610		1	80418	05/21/13 06:05	HT	TAL NSH
Total/NA	Prep	610			78949	05/14/13 07:14	AL	TAL NSH
Total/NA	Analysis	610		1	80418	05/21/13 06:05	HT	TAL NSH
Total/NA	Prep	610			78949	05/14/13 07:14	AL	TAL NSH
Total/NA	Analysis	610		1	80418	05/21/13 06:05	HT	TAL NSH
Total/NA	Prep	245.1			79329	05/15/13 09:33	LB	TAL NSH
Total/NA	Analysis	245.1		1	79566	05/15/13 17:08	NLI	TAL NSH
Total/NA	Analysis	OIA-1677		1	72364	05/20/13 11:29	PJ	TAL PIT
Total/NA	Analysis	1664A		1	79371	05/15/13 09:57	BD	TAL NSH
Total/NA	Prep	1664A			79341	05/15/13 09:57	BD	TAL NSH

Client Sample ID: Outfall 01 A

Date Collected: 05/09/13 18:10

Date Received: 05/11/13 08:30

Lab Sample ID: 490-26469-2

Matrix: Wastewater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	78604	05/11/13 13:22	NH	TAL NSH

Client Sample ID: Outfall 01 A-TSS - 2

Date Collected: 05/09/13 18:10

Date Received: 05/11/13 08:30

Lab Sample ID: 490-26469-3

Matrix: Wastewater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	79464	05/15/13 15:05	NH	TAL NSH

Client Sample ID: Outfall 01 A-TSS - 3

Date Collected: 05/09/13 18:10

Date Received: 05/11/13 08:30

Lab Sample ID: 490-26469-4

Matrix: Wastewater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	79464	05/15/13 15:05	NH	TAL NSH

Client Sample ID: Trip Blank

Date Collected: 05/09/13 00:01

Date Received: 05/11/13 08:30

Lab Sample ID: 490-26469-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	602		1	79293	05/15/13 11:48	AC	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177
TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

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Method Summary

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Method	Method Description	Protocol	Laboratory
1671A	Ethanol (GC/FID)	EPA	TAL NSH
602	Purgeable Aromatics (GC)	40CFR136A	TAL NSH
610	PAHs (HPLC)	40CFR136A	TAL NSH
245.1	Mercury (CVAA)	EPA	TAL NSH
1664A	HEM and SGT-HEM	1664A	TAL NSH
OIA-1677	Cyanide, Available (Flow Injection)	OI CORP	TAL PIT
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL NSH

Protocol References:

1664A = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

OI CORP = OI Corporation Instrument Manual.

SM = "Standard Methods For The Examination Of Water And Wastewater",

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-14 *
Arkansas DEQ	State Program	6	88-0737	04-25-13 *
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oregon	NELAP	10	TN200001	04-29-14
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	05-31-14 *
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

Laboratory: TestAmerica Pittsburgh

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-13
California	NELAP	9	4224CA	03-31-14
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-13
Illinois	NELAP	5	002602	06-30-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Nashville

Certification Summary

Client: Exxon Global Remed. Grp
Project/Site: Everett Terminal

TestAmerica Job ID: 490-26469-1

Laboratory: TestAmerica Pittsburgh (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Kansas	NELAP	7	E-10350	01-31-14
L-A-B	DoD ELAP		L2314	07-24-13
Louisiana	NELAP	6	04041	06-30-13
New Hampshire	NELAP	1	203011	04-05-14
New Jersey	NELAP	2	PA005	06-30-13
New York	NELAP	2	11182	04-01-14
North Carolina DENR	State Program	4	434	12-31-13
Pennsylvania	NELAP	3	02-00416	04-30-14
South Carolina	State Program	4	89014	04-30-13 *
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P-Soil-01	04-16-15
USDA	Federal		P330-10-00139	04-28-13 *
Utah	NELAP	8	STLP	04-30-14
Virginia	NELAP	3	460189	09-14-13
West Virginia DEP	State Program	3	142	01-31-14
Wisconsin	State Program	5	998027800	08-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Nashville

COOLER RECEIPT FORM



490-26469 Chain of Custody

Cooler Received/Opened On: 5/11/2013 @0830

1. Tracking # 60145 (last 4 digits, FedEx)

Courier: Fed-Ex IR Gun ID: 14740456

2. Temperature of rep. sample or temp blank when opened: 0.9 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES..NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) F

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO..NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence #

I certify that I unloaded the cooler and answered questions 7-14 (initial) M

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES...NO..NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) W

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA



20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) W

I certify that I attached a label with the unique LIMS number to each container (initial) W

21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO..#

Loc: 490
26469
#1
A

 	ExxonMobil Everett Terminal NPDES Permit Compliance & Sampling Procedure	Revision Number: 2
		Revision Date: 3-22-12
	NPDES Permit #MA0000833	Endorsed by:
	Prepared by: EMPCo	Procedure Effective Date: 1-1-12

Appendix E

Required MLs for Samples from Outfalls 01A and 01C to Accompany Chain of Custody

Polycyclic Aromatic Hydrocarbons

Group I	Permit Required Minimum Level for Analysis, ug/L
Benzo(a)anthracene	<0.05
Benzo(a)pyrene	<0.05
Benzo(b)fluoranthene	<0.05
Benzo(k)fluoranthene	<0.05
Chrysene	<0.5
Dibenzo(a,h)anthracene	<0.10
Indeno(1,2,3-cd)pyrene	<0.10
Group II	Permit Required Minimum Level for Analysis, ug/L
Acenaphthene	<5.00
Acenaphthylene	<5.00
Anthracene	<2.0
Benzo(ghi)perylene	<0.2
Fluoranthene	<0.50
Fluorene	<0.5
Naphthalene	<5.00
Phenanthrene	<2.00
Pyrene	<1.00
Other	Permit Required Minimum Level for Analysis, ug/L
Available Cyanide	<2.0
Mercury	<2.0
Methyl Tertiary-Butyl Ether (MTBE)	<5.0

Login Sample Receipt Checklist

Client: Exxon Global Remed. Grp

Job Number: 490-26469-1

Login Number: 26469

List Source: TestAmerica Nashville

List Number: 1

Creator: McBride, Mike

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: Exxon Global Remed. Grp

Job Number: 490-26469-1

Login Number: 26469

List Source: TestAmerica Pittsburgh

List Number: 1

List Creation: 05/14/13 11:58 AM

Creator: Watson, Debbie

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	